WE CLAIM:

1. A process for making an absorbent composite web, comprising the steps of:

providing a first superabsorbent polymer precursor composition;

providing a pre-formed fibrous web including a plurality of hydrophilic fibers;

adding the first superabsorbent polymer precursor composition to the fibrous web using a non-contact process; and

chemically reacting the first superabsorbent polymer precursor composition on or in the fibrous web to form a superabsorbent polymer.

- The process of Claim 1, wherein the superabsorbent polymer precursor composition is applied as microdroplets having a diameter of about 10-1000 microns.
- 3. The process of Claim 2, wherein the microdroplets have a diameter of about 50-500 microns.
- 4. The process of Claim 2, wherein the microdroplets have a viscosity of about 5-1000 centipoise.

- 5. The process of Claim 2, wherein the microdroplets have a viscosity of about 10-500 centipoise.
- 6. The process of Claim 2, wherein the microdroplets have a viscosity of about 20-100 centipoise.
- 7. The process of Claim 1, further comprising the steps of:

 providing a second superabsorbent polymer precursor composition;

 adding the second superabsorbent polymer precursor composition to the

 fibrous web using a non-contact process; and

chemically reacting the first and second superabsorbent polymer precursor compositions together on or in the web to form the superabsorbent polymer.

- 8. The process of Claim 7, wherein the first and second superabsorbent polymer precursor compositions are added separately to the fibrous web.
- 9. The process of Claim 1, wherein the first superabsorbent polymer precursor composition is applied by spraying.
- 10. The process of Claim 1, wherein the first superabsorbent polymer precursor composition is applied using a non-contact printing process.

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- 11. The process of Claim 1, wherein the fibrous web further comprises a plurality of thermoplastic fibers.
- 12. The process of Claim 1, wherein the hydrophilic fibers comprise cellulose fibers.
- 13. The process of Claim 1, wherein the hydrophilic fibers comprise absorbent fibers.
- 14. The process of Claim 1, wherein the hydrophilic fibers comprise staple fibers.
- 15. A process for making an absorbent web composite, comprising the steps of:

providing a starting web including about 25-100% by weight cellulose fibers and about 0-75% by weight thermoplastic fibers;

providing a first superabsorbent polymer precursor composition;

applying the first superabsorbent polymer precursor composition to the web using a non-contact printing process; and

chemically reacting the first superabsorbent polymer precursor composition on or in the web to form a superabsorbent polymer.

- 16. The process of Claim 15, wherein the starting web comprises about 50-100% by weight cellulose fibers and about 0-50% by weight thermoplastic fibers.
- 17. The process of Claim 15, wherein the starting web comprises about 60-90% by weight cellulose fibers and about 10-40% by weight thermoplastic fibers.
- 18. The process of Claim 15, wherein the thermoplastic fibers comprise meltblown fibers.
- 19. The process of Claim 15, wherein the thermoplastic fibers comprise spunbond fibers.
- 20. The process of Claim 15, wherein the superabsorbent polymer comprises a polymer selected from alkali metal and ammonium salts of poly(acrylic acid) and poly(methacrylic acid), poly (acrylamides), poly(vinyl ethers), maleic anhydride copolymers with vinyl ethers and alpha-olefins, poly(vinyl pyrrolidone), poly(vinyl morpholinone), poly(vinyl alcohol), and combinations thereof.
- 21. The process of Claim 15, wherein the absorbent web composite comprises about 1-75% by weight of the superabsorbent polymer.

- 22. The process of Claim 15, wherein the absorbent web composite comprises about 15-65% by weight of the superabsorbent polymer.
- 23. The process of Claim 15, wherein the absorbent web composite comprises about 20-50% by weight of the superabsorbent polymer.
- 24. A process for making an absorbent web composite, comprising the steps of:

providing a first superabsorbent polymer precursor composition including a monomer;

providing a second superabsorbent polymer precursor composition including a polymerization initiator;

providing a pre-formed fibrous web including a plurality of cellulose fibers;

adding the first superabsorbent polymer precursor composition to the fibrous web using a non-contact process;

separately adding the second superabsorbent polymer precursor composition to the fibrous web using a non-contact process; and

chemically reacting the first and second polymer precursor compositions on or in the fibrous web to form a superabsorbent polymer.

- 25. The process of Claim 24, wherein the polymerization initiator comprises a redox system.
- 26. The process of Claim 24, wherein the monomer comprises a compound selected from the group consisting of aliphatic unsaturated monocarboxylic acids and their salts, methacrylic acids and their salts, unsaturated dicarboxylic acids and their salts, and combinations thereof.
- 27. The process of Claim 24, wherein the monomer comprises a compound selected from the group consisting of acrylic acid and its salts, methacrylic acid and its salts, and combinations thereof.